

Condensed Matter Physics

Preparation of undoped and phosphorus doped $\mu\text{-Si:H}$ films : effect of extended period of hydrogen plasma annealing in interrupted growth

MADHUSUDAN JANA, DEBAJYOTI DAS AND A K BARUA

Surface polaritons in a semi-infinite composite medium using the Bruggeman dielectric function

N MUSKE AND J S NKOMA

Influence of additives on the magnetic properties of iron-excess Mn-Sn ferrites

M M HAQUE, M HUQ AND M A HAKIM

Lattice mechanical properties of Noble metals

C V PANDYA, P R VYAS, T C PANDYA, N RANI AND V B GOHEL

The study of the different parameters affecting Liesegang rings formation during the growth of calcium hydrogen phosphate dihydrate crystals

K C JOSEPH AND M J JOSHI

Elastic behaviour and phonons in bcc tantalum

M L VERMA, A VERMA AND R P S RAJHORE

X-ray analysis of podophyllotoxone—a lignan

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Dielectric properties of sol-gel derived barium strontium titanate ($\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$) ceramics

N HERJIT MEPTEL, H B SHARMA AND H N K SARMA

Characterization of amorphous carbon in terms of their turbostratic ordering

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Nuclear Physics

High resolution $^{16}\text{O}(\gamma, n)$ measurement using de-excitation γ -rays

I AKKURT, J R M ANNAND AND J O ADLER

Medium modifications of positive kaon-nucleon interactions

A L EL-ATTAR, G S HASSAN AND A A EBRAHIM

Field configuration and design of a new 14.4 GHz ECR ion source for the superconducting cyclotron under construction

M H RASHID, D K BOSE, C MALLIK AND R K BHANDARI

Particle Physics**Scattering of dyons and decay of anti-dyonium****P P PUROHIT, V P PANDEY AND B S RAJPUT*****Notes*****A simple study of photoemission from metals****B ZOLIANA, Z PACHUAU, P K PATRA, S SRIVASTAVA, R C TEWARI
AND R K THAPA****Thermal studies of gel-grown zinc tartrate spherulites****R M DABHI AND M J JOSHI**